



Neuville, May 20th 2026

Our ref. : MW/DV
Study RL 2026/364

BALSAN
Corbilly Arthon
36330 LE POINCONNET
FRANCE

To the attention of Mrs Isabelle Pitois

Madam,

Please kindly find in the attached report the results of tests of reaction to fire radiant panel in accordance with **EN ISO 9239-1** made on your quality "**FRENCH COUTURE (1) dessin DARIUS**".

Compared to the classification criteria of the EN 13501-1 (2018) are:

Critical heat flux : $\geq 3,0 \text{ kW/m}^2$: class D_{fl}

Critical heat flux : $\geq 4,5 \text{ kW/m}^2$: class C_{fl}

Critical heat flux : $\geq 8,0 \text{ kW/m}^2$: class B_{fl}

Smoke density: s1 smoke $\leq 750 \text{ \% X min}$

: s2 products that do not meet the criteria for class 1

The quality meets the classification **B_{fl}-s1** glued over a fibres-cement board.

The test report must be sent to your Notified Body (produced by system 1) to validate the classification.

Regards,

For the SARL C.R.E.T
The Technical Director,
Marc WELCOMME

TEST REPORT N° RL 2026/364

DELIVERY : 20/05/2026

MATERIAL RECEIVED : 30/04/2026

ORIGIN : BALSAN
Corbilly Arthon
36330 LE POINCONNET
FRANCE

NAME OF QUALITY : FRENCH COUTURE (1) dessin DARIUS

TESTS TYPE : Reaction to fire tests for floorings according to
NF EN ISO 9239-1 (February 2013)
Part 1: Determination of the burning behaviour using a
radiant heat source

The Technical Director
Marc WELCOMME



Head of Tests
David VANDIERDONCK



Accreditation of Testing Section COFRAC certify the competence of laboratories only for the tests covered by the accreditation.

This test report is only valid as a certificate for the characteristics of the sample which was submitted to the tests and does not prejudge the characteristics of similar products. As a consequence, it is not a product certificate in the sense of Article L 115-27 of the Consumption Code and of the Law dating from June 3rd 1994.

This test report may only be copied or reproduced integrally

It contains 4 pages and 0 annex.

The laboratory cannot be held responsible for the information provided by the customer, this information is identified in this report by an italic font.

ORIGIN OF THE SAMPLE TO CONSIDER:

Sample provided by the applicant of the test.

INFORMATIONS GIVEN BY THE CUSTOMER :

Tufted loop pile structured carpet (EN 1307 family).

Composition of use-surface : *100% polyamide*

Type of primary backing : *woven polyester*

Type of backing : *woven polypropylene*

Total mass per unit area : *2460 g/m²*

Total thickness : *8,0 mm*

Total pile thickness : *4,3 mm*

Colouring : Grey – Green

Flame retardant : yes

Description of test specimens:

Substrate : *fibres-cement board A2_{fl}-s1*
Density (1800 ± 200) kg /m³
Dimensions 105 cm x 23 cm
Thickness (8 ± 2) mm

Installation : *Glued (acrylic glue UZIN UZ 57 with depositing 350 g/m²)*

Cleaning : *none*

Conditioning :

At least 14 days at (23 ± 2)°C and (50 ± 5) % relative humidity.

Eventual deviations from the test method:

None

Date of test:

19/05/2026

Duration of the test:

The radiation is maintained for 30 minutes.

RESULTS :**1) HEAT FLUX**

Specimen	Flame front distance (mm)			Heat flux (kW/m ²)			Duration of flaming (min/s)	Maximum flame front distance (mm)	Critical Heat flux CHF (kW/m ²)
	10 min	20 min	30 min	HF 10	HF 20	HF 30			
1 (L)*	100	100	100	≥ 11	-	-	12 min 10 s	100	≥ 11
1 (T)*	100	100	100	≥ 11	-	-	12 min 30 s	100	≥ 11
2 (T)	80	110	110	≥ 11	-	-	12 min 50 s	110	≥ 11
3 (T)	80	80	80	≥ 11	-	-	12 min 00 s	80	≥ 11
Average (T)									≥ 11

(L)* → Longitudinally direction

(T)* → Transversally direction

Observation : None

Distance burnt (mm)	Time for each specimen to burn in minutes (min) and seconds (s)			
	1 (L)*	1 (T)*	2 (T)	3 (T)
50	4 min 20 s	5 min 00 s	4 min 50 s	4 min 40 s
100	5 min 40 s	9 min 30 s	11 min 50 s	
150				
200				
250				
300				
350				
400				
450				
500				
550				
600				
650				
700				
750				
800				
850				
900				
950				
1000				

2) SMOKE DENSITY

Specimen	Maximum light attenuation (%)	Smoke development (% X min)
1 (L)*	3,7	12,5
1 (T)*	5,5	15,5
2 (T)	1,7	3,6
3 (T)	3,2	9,6
Average (T)	3,5	9,6

(L)* → Longitudinally direction

(T)* → Transversally direction

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential fire hazard of the product in use.

C.R.E.T is notified by the French Government to the European Commission under n°NB 2401.

End of report